

Abstract of the bachelor's thesis

Title: Introduction to Bayesian Data Analysis

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Abstract: The paper deals with basic principles of Bayesian methods. These methods have very broad range of use in statistical problems concerning estimation and hypothesis testing. However, their use is much wider; these methods are used in anti-spam filters of electronic mail or in the game theory. Definitions, theorems, proofs and examples are included in the paper for this purpose to enable easier understanding of particular topics. The paper is helpful mainly because of the fact that as yet there are not many books in Czech language dealing with Bayesian methods.